



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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INSPECTION REPORT

0021

INSPECTION DATE & TIME: March 14, 1989
9:00 a.m. - 1:00 p.m.

Permittee and/or Operators Name: CO-OP Mining Company
Business Address: P. O. Box 1245 Huntington, UT 84528
Mine Name: Bear Canyon Permit Number: ACT/015/025
Type of Mining Activity: Underground X Surface Other
County: Emery State: UT
Company Official(s): Gerald Hansen
State Official(s): Bill Warmack
Partial: Complete: XX Date of Last Inspection: February 8, 1989
Weather Conditions: Windy and light snow
Acreage: Permitted 900 Disturbed 10 Regraded Seeded Bonded 10
Enforcement Action: NOV #89-30-1-1 and 88-30-6-3 Modification

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	()	()	(X)
2. SIGNS AND MARKERS	(X)	()	()	()
3. TOPSOIL	(X)	()	()	()
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	()	()	()
b. DIVERSIONS	()	(X)	()	(X)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	()	()	(X)
d. OTHER SEDIMENT CONTROL MEASURES	()	(X)	()	(X)
e. SURFACE AND GROUNDWATER MONITORING	(X)	()	()	(X)
f. EFFLUENT LIMITATIONS	(X)	()	()	()
5. EXPLOSIVES	()	()	(X)	()
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	(X)	()	()	()
7. COAL PROCESSING WASTE	()	()	(X)	()
8. NONCOAL WASTE	(X)	()	()	()
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	(X)	()	()	()
10. SLIDES AND OTHER DAMAGE	()	()	(X)	()
11. CONTEMPORANEOUS RECLAMATION	(X)	()	()	()
12. BACKFILLING AND GRADING	()	()	(X)	()
13. REVEGETATION	(X)	()	()	()
14. SUBSIDENCE CONTROL	(X)	()	()	()
15. CESSATION OF OPERATIONS	()	()	(X)	()
16. ROADS				
a. CONSTRUCTION	()	()	(X)	()
b. DRAINAGE CONTROLS	(X)	()	()	()
c. SURFACING	()	()	(X)	()
d. MAINTENANCE	(X)	()	()	()
17. OTHER TRANSPORTATION FACILITIES	()	()	(X)	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	()	()	()

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GENERAL COMMENTS

Mr. Hansen accompanied the undersigned on this complete inspection. Strong winds and light snow were encountered during the field portion of the inspection.

For the most part, ground conditions were dry with little evidence of frozen or saturated areas. A few shaded locations did, however, reveal ice and snow remnants. Based upon these existing field conditions, NOV 88-30-6-3 was modified from the Price office to once again restart abatement procedures; Mr. Hansen agreed on an abatement deadline of April 4, 1989. Abatement of this NOV was delayed because of adverse weather conditions.

1. PERMITS

This inspection commenced with a review of the pertinent mine records. Currently, CO-OP is undergoing a Mid-term review for their Bear Canyon Mine. Several new correspondences are listed below for reference:

1. CO-OP received a Final Approval Amendment from the Division on 12/13/88 for a minor Cave-to-Surface/Emergency Escapeway/Ventilation Portal for the Bear Canyon breakout.
2. A Notice of Intent (NOI) for a UPDES application has been submitted to the Department of Health. Discharge points include ponds A & B and two mine discharges.

NOTE: In the inspection report of 2/15/89 for Trail Canyon Mine (INA/015/021), item 1(3) incorrectly states that CO-OP has received a general UPDES permit. CO-OP is in fact persuing a permit at the present time.

3. Mr Mangum (CO-OP) has submitted plans for the Small Area Exemptions (SAE) outlined in the Division letter of 1/11/89. Upon field inspection of the two breakouts (Blind and Bear Canyons), it was determined that these 2 areas do not need to be addressed as SAE's. Further, the remaining proposed SAE's are as follows:
 - a. Outslope of upper storage yard.
 - b. Area north of No. 1 portal.
 - c. Ballpark/topsoil storage area.
 - d. Existing topsoil pile across from scales.

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4. The soil analysis of the sediment pond material has been completed and received by Henry Sauer (DOGM) on 3/13/89. These results also included a sample from the Rilda Canyon borrow area. The analysis was performed on the sediment material to determine placement and storage requirements as pond A is being cleaned. Additionally, the removal and storage of the pond material will be addressed in the mine plan.

4b. DIVERSIONS:

1. The undisturbed and disturbed drainages along the access road from the lower road junction to the upper road junction are in dire need of repair. These diversions have become virtually non-existent from vehicle traffic during the wet thaw periods and from snow removal efforts. In effect, the majority of the undisturbed drainage from the side-hill outcrops has mixed with the disturbed drainages and ended up in either pond A or pond B.
2. The road swell located below the scales has also become ineffective. Evidence was present during the inspection (erosion on the undisturbed inslope bank and deposition within the ditch) indicating runoff from the disturbed area had entered the undisturbed diversion.

NOTE: NOV 89-30-1-1 was issued for failure to maintain diversions in accordance with UMC 817.43(c). Further, no corrective measures had been taken prior to this inspection. Abatement deadline is scheduled for April 15, 1989.

3. The disturbed drainage ditch D-4D along the western and southern portion of the coal stockpile pond was subject of NOV 88-30-6-2. Abatement could not be completed because of adverse weather conditions even though some of the work has been started. Therefore, a delay was granted until weather and ground conditions were such that work could once again commence. Mr. Hansen was instructed to complete the drainage ditch by April 4, 1989.
4. Two berms have become worn down by heavy foot traffic and/or vehicles and need to be increased although still functional. These berms are:
 - a. along the crest of the lamphouse pad
 - b. behind the bathhouse

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Also, berming along the undisturbed ditch D-10U (outslope of coal stockpile pad) needs to be completed. Finalization of the project was delayed due to weather conditions and will be completed by April 4, 1989.

5. The flexible culvert outlet above the Hiawatha belt portal has become dislodged and will be repaired accordingly. The culvert is located east of the fan house.

4c. SEDIMENT PONDS:

1. Both ponds were inspected and appeared to be in a stable condition. Rip-rap at the bottom of the inlet to pond B should be reinstalled since a few rocks have become dislodged.
2. Cleaning of pond A has not been initiated as of this inspection. Mr. Hansen is aware of the March 31, 1989 deadline. As stated in 1(4) above, the Division has received the soil analysis of the sediment material. Placement and storage of the sediment needs to be further addressed and included in the mine plan so that a location within the disturbed area can be designated for sediment storage. *Subject to post inspection 60%*
3. The pond inspections for the calendar year 1988 were reviewed. No associated problems were noted.

4d. OTHER SEDIMENT CONTROL MEASURES:

1. Several silt fences needed repairs and cleaning, however, ice and snow were present in all but one of the structures. The remaining silt fences will be repaired as soon as possible.
2. In conjunction with the SAE proposal 1(3), alternative sediment controls need to be installed at strategic locations.
 1. drainage from the area north of No. 1 portal
 2. Inlet to culvert D-9U (west of coal stockpile pad)
 3. ballpark/topsoil storage area.

Item #3 was subject to NOV 88-30-6-3; abatement was delayed due to weather and ground conditions. However, abatement procedures can begin once again and the straw bales will be installed by April 4, 1989. Straw bales should be well anchored and keyed in to prevent problems.

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4e. SURFACE AND GROUNDWATER MONITORING:

1. Results from the sampling periods during 1988 were reviewed and found in good order. Fourth quarter UPDES reports sent in on January 5, 1989. Also, February water samples were being analyzed at this time.

NOTE: Other than those items subjected to a NOV, remaining minor issues (repairs) will be completed as weather permits or by the next inspection.

Copy of this Report:

Mailed to: Gerald Hansen, Co-op

Mailed to SLC for: Brian Smith, OSM; Joe Helfrich, DOGM

Filed to: PFO

Inspectors Signature and Number: William A. Warmack #30 Date: March 16, 1989

William A. Warmack 3/16/89